

# ATTORNEY DOCKET NO. 03269.0109U1 PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	)
Dennis J. Jones, Jr.	) Art Unit: 1751
Application No. 10/627,945	) Examiner: Hamlin, D.
Filing Date: July 24, 2003	) Confirmation No. 3664
For: METHODS OF TREATING AND CLEANING FIBERS, CARPET YARNS AND CARPETS	) )

#### INFORMATION DISCLOSURE STATEMENT

Mail Stop, Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C. Customer Number 23859

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Information Disclosure Statement List is a listing of documents known to Applicant and/or his attorneys. In accordance with 37 C.F.R. §1.98(a)(2), copies of any cited U.S. patent or U.S. patent application publication documents are not enclosed. Copies of any cited foreign patent document and/or any non-patent publication are enclosed.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(b)(3), in that a first Office Action on the merits of the present patent application has not yet been mailed to Applicant.

# ATTORNEY DOCKET NO. 03269.0109U1 Application No. 10/627,945

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

No fee is believed due; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.

Jacqueline M. Hutter
Registration No. 44,792

NEEDLE & ROSENBERG, P.C. Customer Number 23859

(678) 420-9300

(678) 420-9301 (fax)

#### CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Jacqueline M. Hutter

\_\_\_\_

243469\_3.DOC



### ATTORNEY DOCKET NO. 03269.0109U1 APPLICATION NO. 10/627,945 SHEET 1 OF 2

# INFORMATION DISCLOSURE STATEMENT LIST

Complete if Known						
Application Number	10/627,945					
Filing Date	July 24, 2003					
First Named Inventor	Jones Jr.					
Group Art Unit	1751					
Examiner Name	Hamlin, D.					

Examiner's Initials	Cite No.	Document No.		ate		Name	Class	Subclass	Filing Date (if appropriate
Illuais	A1	6,811,574	11/2/	04	Baun	nann et al.	8	444	
	A2	6,613,862	09/02	2/03	Clark	et al.	528	49	
• • •	A3	6,524,492	02/25	5/03	Williams et al.		252	8.62	
	A4	6,197,378	03/06	5/01	Clark et al.		427	315	
	A5	6,098,392	08/08/00		Tung		57	14	
	A6	6,024,770	02/15/00		De L	athauwer	8	595	
	A7	6,023,823	02/15/00		Yeh		28	101	
	A8	5,851,595	12/22/98		Jone	s, Jr.	427	393.4	
	A9	5,738,688	04/14/98		De L	athauwer	8	115.56	
A	A10	5,681,604	10/28/97		Li et	al.	426	540	
	A11	5,639,500	6/13/	97	Fusi	et al.	426	540	
	A12	5,571,551	11/05/96		Fusi	et al.	426	540	
	A13	5,520,962	5/28/	96	Jone	ones Jr. 427		393.4	
- ***	A14	5,417,724	05/23	3/95	Pacif	ici et al.	8	554	
	A15	5,230,708	07/27/93		Hang	jey et al.	8	115.6	
	A16	4,937,123	06/26/90 04/18/99		Char	ig et al.	428	96	
	A17	4,822,373			Olsei	n et al.	8	115.6	
	A18	4,781,844	11/0	11/01/88		nann et al.	252	8.6	
	A19	4,351,736	09/28/82 Steinberger et al. 12/28/76 Freeman		Stein	berger et al.	252	8.6	
161.3	A20	3,999,940			8	595			
	A21			ner et al.	8	17			
,	A22	3,669,611	06/13			auchi et al	8	595	
	A23	2,480,775	08/30/49 Ryan			8	55		
	A24	2004/0060121	04/0	04/01/04 10/30/03		ms et al.	8	115.51	
	A25	2003/0203153	10/30			s Jr.	428	95	
	A26	2003/0157256	04/21/03		Yam	aguchi et al.	427	378	
	A27	2003/0051294	03/20	0/03	Yam	aguchi et al.	8	115.51	
	A28	2002/0189023	12/19	9/02	Yam	aguchi et al.	8	115.51	
,	A29 2002/0151644 10/17/02		Willia	ams et al.	524	801			
	A30	2002/0005250	01/1	7/02	Jerdee et al.		156	311	
Ç.	We will		\$ FO	REIGN F	PATEN	IT DOCUMEN	TS		
Examiner's Initials	Cite No.	Foreign Patent Doc Country Code-Number-Kit	ument				ame		Translation Yes/No
	A31	EP 0 261 637	637		03/30/88 Gamblin		<del>-</del> -		
7.01 201007 0070000 00110111									

JP 58 154 772 09/14/83 Daiwa Marcant Kogyo Abstract Only A32 A33 JP 61 174 485 08/06/86 Kanebo No Fung A34 GB 1 254 541 11/24/71 A35 JP 62 238 887 03/04/86 No

Examiner Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

				Complete if Known				
INFORMATION DISCLOSURE STATEMENT LIST		Application Number	10/627,945					
		Filing Date	July 24, 2003					
		First Named Inventor	Jones Jr.					
	JIA	I EMENT EIO	Group Art Unit	1751				
			Examiner Name	Hamlin, D.				
1941. Š. 194		NON-PA						
Examiner's	Cite	NON-PATENT DOCUMENTS  Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)						
Initials	No.							
	A36	Baxley and Miller, "Effects of suessen heat setting variables on streaks in finished nylon carpet" Textile Res. J. 61(12):697-704 (1991)						
	A37	Cook et al. "The effect of some aromatic hydroxyl compounds on the absorption of anionic dye by nylon 6," Textile Res. J. 47(244):244-249 (1977)						
	A38	DuPont Filaments, Conditioning Nylon Filaments, Technical Information						
	A39	Gupta et al. "Dye-uptake behaviour of nylon-6 filaments and its structutal dependence" JSDC 116:385-390 (2000)						
	A40	Harris and Hangey, "Stain Resist chemistry for nylon-6 carpet" SAC Synthesis 21(11):25-30 (1989)						
	A41	http://aml.arizona.edu/classes/mse222/1998/nylon66/mse22.htm						
	A42	http://www.apparelsearch.com/education_reserach_nonwoven_nylon_fiber.htm						
	A43	Ogasawara et al, "Studies on the mechanism of dye fixation. Part 10. Effect of after treatment with tannic acid on the fixation of disperse, acid, direct and basic dyes." Textiles 7:73 (1982)						
	A44	Rodger and Lee, "Structural Properties of Nylon 66 Carpet yarns observed with near infrafed analysis" Textile Res. J. 61(9):531-536 (1991)						
	A45	Rollins et al. "Thermal mechanical analysis (TMA) and yarn shrinkage as methods to determine heat set temperature in nylon" American Dyestuff Reporter 36-41(1998)						
	A46	Sichina, "Detection of Heat set temperatures of nylon 66 carpet yarns by DSC" Perkin Elmer instruments; www. Perkingelmer.com (2000)						
	A47	Tincher et al. "Characterization of heat set nylon carpet yarn" Applications of NIRS 18(2):25-30 (1996)						
	A48	Trotman, "Dyeing and Chemical technology of textiles fibers" 6 <sup>th</sup> edition:474-478,480 (1984)						
	,			-				
Examiner	Signatu	re:	Date Considered:					
		if reference considered, whether or not considered. Include copy of this form with		MPEP 609; Draw line through citation if not in cant.				